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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/403,092DATE: 04/27/2000
TIME: 06:25:29

INPUT SET: S35392.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

1 SEQUENCE LISTING
2

3 (1) General Information:

4
5 (i) APPLICANT: HOFMANN, Joachim
6 SCHMID, Karlheinrich
7 PAULI, Annette8
9 (ii) TITLE OF INVENTION: DICTYOCaulus VIVIPARUS ANTIGEN FOR THE
10 DIAGNOSIS OF LUNGWORM INFESTATION AND FOR VACCINATION11
12 (iii) NUMBER OF SEQUENCES: 3013
14 (iv) CORRESPONDENCE ADDRESS:15 (A) ADDRESSEE: FOLEY & LARDNER
16 (B) STREET: 3000 K Street, N.W.
17 (C) CITY: Washington
18 (D) STATE: D.C.
19 (E) COUNTRY: U.S.A.
20 (F) ZIP: 20007-510921
22 (v) COMPUTER READABLE FORM:23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.3027
28 (vi) CURRENT APPLICATION DATA:29 (A) APPLICATION NUMBER: US 09/403,092
30 (B) FILING DATE: 15-OCT-1999
31 (C) CLASSIFICATION:32
33 (vii) PRIOR APPLICATION DATA:34 (A) APPLICATION NUMBER: WO PCT/EP98/02090
35 (B) FILING DATE: 09-APR-199836
37 (vii) PRIOR APPLICATION DATA:38 (A) APPLICATION NUMBER: DE 197 15 586.3
39 (B) FILING DATE: 15-APR-199740
41 (viii) ATTORNEY/AGENT INFORMATION:42 (A) NAME: Granados, Patricia D.
43 (B) REGISTRATION NUMBER: 33,683
44 (C) REFERENCE/DOCKET NUMBER: 038311/010345
46 (ix) TELECOMMUNICATION INFORMATION:

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MAY 17 2000
TC 1600 MAIL ROOM

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PATENT APPLICATION US/09/403,092DATE: 04/27/2000
TIME: 06:25:29

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47 (A) TELEPHONE: (202) 672-5300
48 (B) TELEFAX: (202) 672-5399

49

50

51 (2) INFORMATION FOR SEQ ID NO:1:

52

53 (i) SEQUENCE CHARACTERISTICS:
54 (A) LENGTH: 7 amino acids
55 (B) TYPE: amino acid
56 (C) STRANDEDNESS:
57 (D) TOPOLOGY: linear

58

59 (ii) MOLECULE TYPE: protein

60

61

62

63

64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

65

66 Ser Glu Ser Leu Tyr Glu Lys
67 1 5

68

69 (2) INFORMATION FOR SEQ ID NO:2:

70

71 (i) SEQUENCE CHARACTERISTICS:
72 (A) LENGTH: 7 amino acids
73 (B) TYPE: amino acid
74 (C) STRANDEDNESS:
75 (D) TOPOLOGY: linear

76

77 (ii) MOLECULE TYPE: protein

78

79

80

81

82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

83

84 Met Met Asp Asn Phe Val Lys
85 1 5

86

87 (2) INFORMATION FOR SEQ ID NO:3:

88

89 (i) SEQUENCE CHARACTERISTICS:
90 (A) LENGTH: 14 amino acids
91 (B) TYPE: amino acid
92 (C) STRANDEDNESS:
93 (D) TOPOLOGY: linear

94

95 (ii) MOLECULE TYPE: protein

96

97

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100 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
101
102 Tyr Lys Asp Glu Asn Glu Phe Met Asp Ala Leu Lys Gln Lys
103 1 5 10
104

105 (2) INFORMATION FOR SEQ ID NO:4:
106

107 (i) SEQUENCE CHARACTERISTICS:
108 (A) LENGTH: 20 amino acids
109 (B) TYPE: amino acid
110 (C) STRANDEDNESS:
111 (D) TOPOLOGY: linear
112

113 (ii) MOLECULE TYPE: protein
114
115
116
117

118 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
119

120 Tyr Asp Ile Pro Glu Gln Tyr Arg Glu Ile Ile Pro Gln Asn Val Ala
121 1 5 10 15
122
123 Glu His Leu Lys
124 20
125

126 (2) INFORMATION FOR SEQ ID NO:5:
127

128 (i) SEQUENCE CHARACTERISTICS:
129 (A) LENGTH: 26 amino acids
130 (B) TYPE: amino acid
131 (C) STRANDEDNESS:
132 (D) TOPOLOGY: linear
133

134 (ii) MOLECULE TYPE: protein
135
136
137
138

139 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
140

141 Asp Ala Ile Glu Lys Tyr Glu Asp Ile Pro Glu Gln Tyr Arg Glu Ile
142 1 5 10 15
143
144 Ile Pro Gln Asn Val Ala Glu His Leu Lys
145 20 25
146

147 (2) INFORMATION FOR SEQ ID NO:6:
148

149 (i) SEQUENCE CHARACTERISTICS:
150 (A) LENGTH: 18 amino acids
151 (B) TYPE: amino acid
152 (C) STRANDEDNESS:

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153 (D) TOPOLOGY: linear
154
155 (ii) MOLECULE TYPE: protein
156
157
158
159
160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
161 Phe His Ala Glu Leu Leu Ala Gly Ile Lys Pro Ser Leu Glu Leu
162 1 5 10 15
163
164 Lys Lys
165
166
167
168 (2) INFORMATION FOR SEQ ID NO:7:
169
170 (i) SEQUENCE CHARACTERISTICS:
171 (A) LENGTH: 14 amino acids
172 (B) TYPE: amino acid
173 (C) STRANDEDNESS:
174 (D) TOPOLOGY: linear
175
176 (ii) MOLECULE TYPE: protein
177
178
179
180
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
182 Gln Phe Pro Ile Leu Thr Ser Val Phe Ser Asn Glu Glu Lys
183 1 5 10
184
185
186 (2) INFORMATION FOR SEQ ID NO:8:
187
188 (i) SEQUENCE CHARACTERISTICS:
189 (A) LENGTH: 21 base pairs
190 (B) TYPE: nucleic acid
191 (C) STRANDEDNESS: single
192 (D) TOPOLOGY: linear
193
194 (ii) MOLECULE TYPE: DNA (genomic)
195
196
197 (ix) FEATURE:
198 (A) NAME/KEY: exon
199 (B) LOCATION: 1..21
200
201
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
203
204 TCNGARUCNY TNTAYGARAA R
205

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206 (2) INFORMATION FOR SEQ ID NO:9:
207
208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 21 base pairs
210 (B) TYPE: nucleic acid
211 (C) STRANDEDNESS: single
212 (D) TOPOLOGY: linear
213
214 (ii) MOLECULE TYPE: DNA (genomic)
215
216
217 (ix) FEATURE:
218 (A) NAME/KEY: exon
219 (B) LOCATION: 1..21
220
221
222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
223
224 ATGATGGAYA AYTTYGTNAA R 21
225
226 (2) INFORMATION FOR SEQ ID NO:10:
227
228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 42 base pairs
230 (B) TYPE: nucleic acid
231 (C) STRANDEDNESS: single
232 (D) TOPOLOGY: linear
233
234 (ii) MOLECULE TYPE: DNA (genomic)
235
236
237 (ix) FEATURE:
238 (A) NAME/KEY: exon
239 (B) LOCATION: 1..42
240
241
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
243
244 TAYAARGAYG ARAAYGARTT YATGGAYGCN YTNAARCARA AR 42
245
246 (2) INFORMATION FOR SEQ ID NO:11:
247
248 (i) SEQUENCE CHARACTERISTICS:
249 (A) LENGTH: 60 base pairs
250 (B) TYPE: nucleic acid
251 (C) STRANDEDNESS: single
252 (D) TOPOLOGY: linear
253
254 (ii) MOLECULE TYPE: DNA (genomic)
255
256
257 (ix) FEATURE:
258 (A) NAME/KEY: exon

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/403,092

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